



First Announcement

TAMILNADU SCIENTIFIC RESEARCH ORGANISATION

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National Youth Science Conference for Sustainable Development

Dear colleagues and friends,

It gives us a great pleasure to invite you to the **"National Youth Science Conference for Sustainable Development"** to be held on **28th, February 2020** at **Pudukkottai, TamilNadu, India**.

This conference will be provided a platform to share the research knowledge and activities of young budding researchers, eminent scientists and social reformers working in the fields of all Science disciplines. It will consist of various lectures from eminent personalities, presentations and discussions from the participating academicians, researchers and social volunteers.

About us

The TamilNadu Scientific Research Organisation is a registered voluntary non-governmental organisation with the vision to promote rural villages by science and technology. Our former president of India Dr.APJ.Abdul Kalam appreciated our institution for the efforts and services. Also our organization has received Best NGO Award (2008 and 2010) for Biodiversity Conservation activities and also a recipient of Best Environmental Conservation Award 2011 from Department of Environment, Govt.of TamilNadu. The organization has been encouraging basic research in all science fields.

The conference

The conference is mainly focused and disseminates information on **all Science disciplines in the observation day of National Science Day 2020**.

Theme

Science for Sustainable Development (Food, Health, Environment, Energy and Employment security)

Relevance and importance of the national conference are to:

Science, technology, and innovation have instrumental and intrinsic value for society. They are key drivers of economic performance and social well-being. But they are also important for deeper reasons: a scientific temper, with its spirit of enquiry, the primacy accorded to facts and evidence, the ability to challenge the status quo, the adherence to norms of discourse and the elevation of doubt and openness. Innovations in science and technology are integral to the long-



term growth and dynamism of any nation. The pursuit of science also creates a spirit of enquiry and discourse which are critical to modern, open, democratic societies. Historically, India can point to many contributions to global scientific knowledge and technological achievement. However, India under-spends on research and development (R&D), even relative to its level of development. A doubling of R&D spending is necessary and much of the increase should come from the private sector and universities.

India ranks third among the most attractive investment destinations for technology transactions in the world. Modern India has had a strong focus on science and technology, realising that it is a key element of economic growth. India is among the topmost countries in the world in the field of scientific research, positioned as one of the top five nations in the field of space exploration. The country has regularly undertaken space missions, including missions to the moon and the famed Polar Satellite Launch Vehicle (PSLV). India ranks 6th position for scientific publications and ranks at 10th for patents which included only resident applications. The total number of patent applications filed by scientists and inventors in India increased to 61,788 in FY19 (up to Dec 18) from 47,857 in FY18. India ranks 13th position at the Nature Index in 2017, based on counts of high-quality research outputs in natural sciences.

India improved its rank on the Global Innovation Index for the second year consecutively. From being ranked at the 81st position in 2015, India improved its ranking to 66th in 2016 and further to 60th in 2017. The Government of India is extensively promoting research parks technology business incubators (TBIs) and (RPs) which would promote the innovative ideas till they become commercial ventures. India is world's third largest technology startup hub with incorporation of 1,000 new companies in 2017. The engineering R&D and product development market in India is forecasted to grow at a CAGR of 20.55 per cent to reach US\$ 45 billion by 2020 from US\$ 28 billion in FY18.

India is aggressively working towards establishing itself as a leader in industrialisation and technological development. Significant developments in the nuclear energy sector are likely as India looks to expand its nuclear capacity. Moreover, nanotechnology is expected to transform the Indian pharmaceutical industry. The agriculture sector is also likely to undergo a major revamp, with the government investing heavily for the technology-driven Green Revolution. Government of India, through the Science, Technology and Innovation (STI) Policy-2013, among other things, aspires to position India among the world's top five scientific powers.

The sciences can provide this understanding through increased research into the underlying ecological processes and through the application of modern, effective and efficient tools that are now available, such as remote-sensing devices, robotic monitoring instruments and computing and modeling capabilities. The sciences are playing an important role in linking the fundamental significance of the Earth system as life support to appropriate strategies for development which build on its continued functioning. The sciences should continue to play an increasing role in providing for an improvement in the efficiency of resource utilization and in finding new development practices, resources, and alternatives. There is a need for the sciences constantly to reassess and promote less intensive trends in resource utilization, including less intensive utilization of energy in industry, agriculture, and transportation. Thus, the sciences are increasingly being understood as an essential component in the search for feasible pathways towards sustainable development.



This conference focuses on the role and the use of the sciences in supporting the prudent management of the sustainable development for the daily survival and future development of humanity (such as food and nutrition, Health and Medicare, Environment and Biodiversity, Energy security etc.). Scientists are improving their understanding in emerging areas such as climatic change, growth in rates of resource consumption, demographic trends, and environmental degradation.

Topics

The Programme of the conference includes Plenary Sessions, Technical Sessions, Working Groups / Exhibition, Panel Discussions and Presentations. The broad topics of the conference are as follows.

- **Basic Science (Physics, Chemistry, Mathematics)**
- **Biological Sciences (Botany, Zoology, Biotechnology, Bioinformatics, Microbiology, Marine Biology)**
- **Animal Sciences (Veterinary Science, Fisheries Sciences, Anthropological**
- **Environmental Sciences**
- **Medicine & Pharmacology**
- **Space Science & Technology**
- **Remote sensing**
- **Computer science**
- **Agriculture Science**
- **Earth & Oceanography science**
- **Energy Science**
- **Library and Information Science**
- **Psychology**
- **Nanotechnology**
- **Food science & Nutrition**
- **Physical Sciences**
- **And other allied sciences**

Who may participate?

All Young science students and professionals, researchers from Academics, Entrepreneurs, Teachers, Research scholars, Scientists, Farmers, Students, Science personnel, Innovators, Policy makers, NGO representatives, Service and Marketing providers and others.

Guidelines: Abstracts and Full paper

Original research papers or abstracts in all aspects of recent findings in related to the conference themes are invited for oral/poster presentation. The participants who are interested to present their paper are requested to send abstracts not exceeding 250 words along with filled registration form and fee, Abstract should be prepared by using MS word (Times new roman-12 Points), incase full paper also should be prepared in same manner with double space. Number of pages should not exceed 3 pages and send to the organizing secretary of the conference by post / e-mail. LCD projector will be available for oral presentation and Poster size should be of not more than 3 feet (wide) x 5 feet (height). Those who prepared their abstract or full paper are requested to send by **15th February 2020**. First preference will be provided for full papers (research papers, review articles & case studies etc). **Award:** Three best posters and oral presentation awards will be provided by our organization.



Registration fee details

Faculty: Rs.700/- Accompanied person: Rs.300/- Student: Rs.500/-

Participants are requested to send their registration form with Money Transfer /RTGS/ NEFT/ IMPS Payment receipt in favor of **TamilNadu Scientific Research Organisation**, Payable at **Allahabad Bank, Pudukkottai Branch (S.B.A/c No: 50200527185.,IFS/RTGS Code : ALLA0212291., MICR No: 622010002., Branch Code : 2291)** on or before **20.02.2020** . Working lunch, tea with refreshments and certificate will be provided for all registered participants. Participants are requested to arrange their own T.A + D.A from their own resources.

Please send your registration form with abstract to us by mail:nysctnsro@gmail.com

Important information

Last date for

Submission of abstracts : **15th February 2020**

Submission of full paper : **17th February 2020**

Intimation of acceptances : **20th February 2020**

Last date of registration : **20th February 2020**

The conference : **28th February 2020**

Further details please contact:

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